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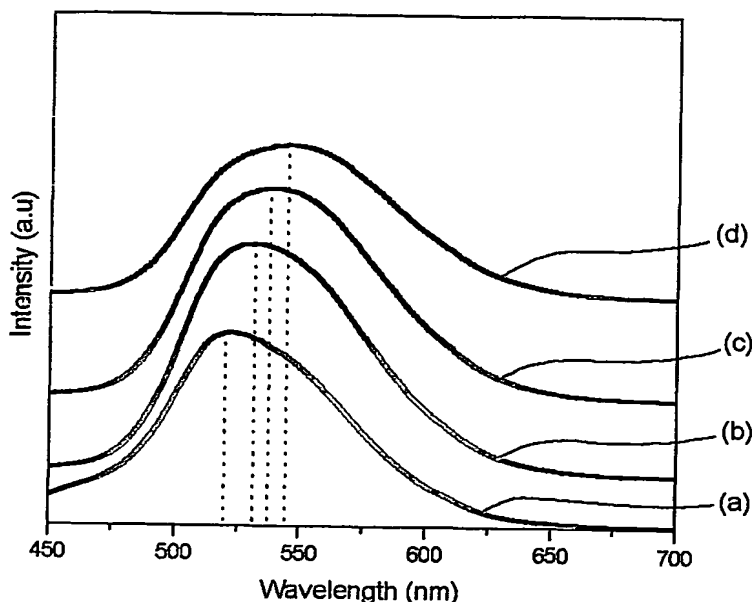
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(54) Title: **STRONTIUM SILICATE-BASED PHOSPHOR AND METHOD THEREOF**



(57) **Abstract:** Disclosed is a strontium silicate-based phosphor and fabrication method thereof, which is applied to a long wavelength ultraviolet LED, an active luminous LCD, etc., to enable an improvement in the color purity and to enhance the luminous efficiency. The strontium silicate-based phosphor is expressed by a chemical formula:  $\text{Sr}_{2-x}\text{SiO}_4: \text{Eu}^{2+}$  wherein  $x$  is  $0.001 \leq x \leq 1$ .